

## ALL TYPES OF CENTRIFUGAL PUMPS



MILK PUMP



SLURRY PUMP



CENTRIFUGAL PUMP



BACK PULL OUT TYPE CENTRIFUGAL PUMP



POLY PROLINE PUMP



DOSING PUMP

### APPLICATION

- Milk Handling
- Food Processing
- Water Treatment
- Chemical Industries
- Ozonised Water
- Treated Effluents
- Solvent Handling
- Hot and Cold Water Supply
- Hydro Carbons, Die, Oil etc.,
- Beverages, Alcoholic Drinks etc.,
- Soap and detergent
- Starch

### TECHNICAL DATA

- Maximum Liquid Temperature : 100 degree C
  - Maximum Working Pressure : 6Kg / Cm<sup>2</sup>
  - Pump RPM : 2900
  - Sealing Arrangements : Mechanical Seal
  - Discharge : 0.3 M<sup>3</sup> /Hr.
  - head Characteristics : 5 M o 60 M
  - Available in 1 Ph & 3 Ph executions.
- Also available in mono bloc and extended shstertions

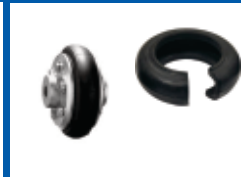
### ACCESSORIES



DAIRY FITTINGS



MECHANICAL SEAL



TYRE COUPLING



GEAR BOX



RUBBER BELLOWS



ELECTRIC MOTOR

### SERVICE & SPARES IMPORTED MACHINES

1. ROTO FLIM SPARES & SERVICE

2. VERTICAL ROTO FLIM CONVERSION

3. DECANTER SERVICE & SPARES

4. SEPARATOR SERVICE AND SPARES



## PC PUMPS & SYSTEMS

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# PC PUMPS & SYSTEMS

## MAKE A SUCCESSFUL BUSINESS WITH OUR CUSTOMIZED PRODUCTS

THE SPECIALIST FOR ECCENTRIC SCREW PUMPS



### APPLICATION INDUSTRIES

- |                 |                   |                     |                    |                    |                        |
|-----------------|-------------------|---------------------|--------------------|--------------------|------------------------|
| FOOD INDUSTRY   | SUGAR INDUSTRY    | EDIBLE OIL INDUSTRY | OIL & GAS INDUSTRY | STEEL INDUSTRY     | PAINT/VARNISH INDUSTRY |
| MARINE INDUSTRY | CHEMICAL INDUSTRY | MINING INDUSTRY     | PAPER INDUSTRY     | COSMETICS INDUSTRY | FERTILIZERS INDUSTRY   |

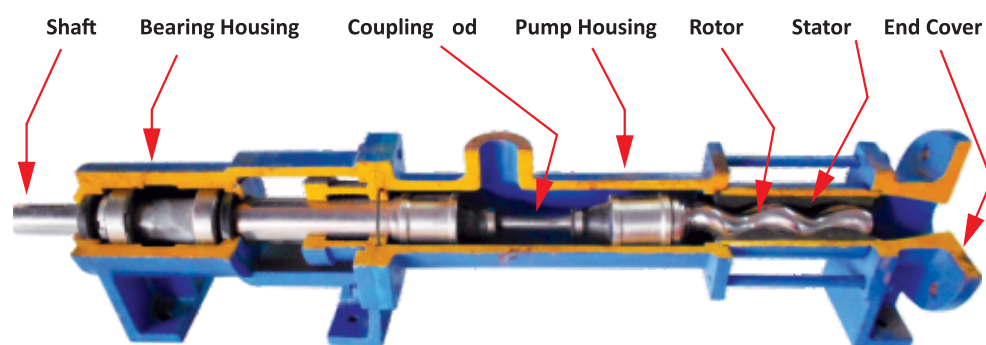


PC PUMPS & SYSTEMS



## THE SCREW PUMPS

Single screw pump belong to the group of rotary positive displacement pumps, which work on a unique principle of progressive cavity. The principle feature of this pump based on a single helical rotor turning eccentrically in a double threaded helical stator twice a pitch length. As it rotates, a series of sealed cavities, 180 degree apart are formed, which move along the pump from suction to discharge. As one cavity is closing, the opposite cavity is increasing in size at exactly the same rate to produce a non-pulsing, positive displacement flow.



### OUR PRODUCTS



#### PERK G

General series for Chemical and Industrial Applications

#### INDUSTRIES

\* Agriculture \*Cattle Feed \*Chemical and Fertilizers \*Ceramic and refractories \*Dyestuff \*Edible oil \*Effluent treatment \*Marine & ship building \*Palm oil \*Paint and varnish \*Paper, pulp & waste treatment \*Soap and detergent \*Starch

#### FLUID HANDLED

\* Alum liquor \*Aluminium hydroxide gel \*Black liquor \*Ceramic slurry \*Coating mix \*Emulsion \*Effluent sludge \*Molasses \*Latex \*Lime slurry \*Paint and resins \*Spent wash \*Poly electrolytes \*Oil water & oil sludge \*Starch slurry.



#### PERK H

Hygienic series for Food and Pharmaceutical Applications

#### INDUSTRIES

\* Breweries \*Confectioneries \*Canning \*Dairy \*Distilleries \*Fish processing \*Food processing \*Wineries \*Honey processing \*Ice cream processing \*Laboratories \*Malt and cocoa \*Pharmaceuticals \*Vegetable processing.

#### FLUID HANDLED

\* Creams \*Beer and malt \*Essences \*Chocolate \*Fruit juices \*Squashes \*Gelatin solution \*Honey \*Jams, jellies & pickles \*Liquid glucose \*Mango pulp \*Shampoos \*Syrups \*Tomato paste \*Yeast cream.



#### PERK U

Universal series for Extremely Difficult Duties

#### INDUSTRIES

\* Adhesive & glue \*Bakery \*Cosmetics & Toiletries \*Electronics \*Explosives \*Mining & construction \*Oil blending \*Plastics \*Power plant \*Painting & packaging \*Slaughterhouses & meat processing \*Sugar \*Steel \*Textile \*Viscose.

#### FLUID HANDLED

\* Bentonite slurry \*Chayawanprash \*Groutmix \*Explosive slurry \*Ferried slurry \*Fish past \*Grease \*Magma & Masseccuite \*Molten soap \*Petroleum jelly \*Printing inks \*Silicon gum \*Shrikhand \*Yogurt.

## FILTER PRESS / FILTER ELEMENTS

### PRODUCT DETAILS

- ▶ Plate size ranging from 355X355 to 1500X1500 mm
- ▶ Plates made from Polypropylene, CI or SS
- ▶ Capstan, Ratchet & Hydraulic plate closing system
- ▶ Double acting hydraulic cylinders with motorized power pack, with Mechanical Locking system
- ▶ Helical screw pump for feeding system
- ▶ Fully automatic Filter Press

### PRODUCT DETAILS

- ▶ Dye Stuff, Pigments, paints
- ▶ Ceramics, quarry, kaolin
- ▶ Pharmaceuticals, drugs, agro – chemical, fertilizer
- ▶ Herbal extraction
- ▶ Agro oil, Mineral oil, Fats, Distillery
- ▶ Gypsum, biological sludge, effluent waste water treatment oil, refinery
- ▶ Recovery, tannery hydroxide sludge
- ▶ Sugar, Starch, fats, food products, detergents & additives
- ▶ Production of zinc, manganese, lead, n, copper & aluminium



AUTOMATIC FILTER PRESS



FILTER PLATE



BUTTERFLY FILTER CLOTH



HANDLE



NOZZLE



COUPLER, TAPS & SCRAPER

## OUR CUSTOMIZED PRODUCTS



BARREL EMPTYING PUMP



SCREW CONVEYOR



MANGO PULP BOILING KETTLE

## SCREW PUMP & CENTRIFUGAL PUMP SPARES



RETROFIT SCREW PUMP SPARES



CENTRIFUGAL PUMP SPARES